

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/733,042	12/11/2003	Markley C. Leavitt	AVI-028	9363	
26739 75 AVIGENICS, IN	90 04/20/2007		EXAMINER		
111 RIVERBEN	D ROAD	WILSON, MICHAEL C			
ATHENS, GA 30605		•	ART UNIT	PAPER NUMBER	
			1632		
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE		
2 MON'	THE .	04/20/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

## Digital Part Di				Application	ı No.	Applicant(s)				
Michael C. Wilson 1632			10/733,042	!	LEAVITT ET AL.					
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Edutations of time raply be available under the provision of 30° CFR 11861, here even, towers, may a reply be finely filled. If NO period for reply is specified above, the maximum adabatory period will apply and well-series SIX (8) MONTHS from the maling date of this communication. Feather for reply willing the set of secreted period for reply will, by statuse, capital will apply and well-series SIX (8) MONTHS from the maling date of this communication. Feather for reply willing the set of secreted period for reply will, by statuse, capital will apply and well-series SIX (8) MONTHS from the maling date of this communication, even if timely field, may reduce any centred plants or secreted period for reply will, by statuse, capital will apply and well-series SIX (8) MONTHS from the maling date of this communication, even if timely field, may reduce any centred plants or secreted period for reply will, by status, capital and policy of the communication, even if timely field, may reduce any centred plants or secreted period for reply will, by status, capital and plants of the communication, even if timely field, may reduce any centred plants of the communication. 1) □ Responsive to communication(s) filled on 28 December 2006. 2a □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 1.72 is/are pending in the application. 4) □ Claim(s) 1.72 is/are allowed. 6) □ Claim(s) 1.72 is/are allowed. 7) □ Claim(s) 1.72 is/are allowed. 8) □ Claim(s) 1.72 is/are allowed. 8) □ The drawing(s) filed on 1.72 is	Office Action Summary			Examiner		Art Unit				
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of linear rays be available under the provisions of 37 CFR 1.35(a). In or event, however, may a reity be timely filed - Expirate to fine rays be available under the provisions of 37 CFR 1.35(a). In or event, however, may a reity be timely filed - If NO period for reply is specified side with these mainted authory, ploted will apply and will expire 1x (b) MONTH for the mainting date of this communication, even if limely filed, may reduce any available to reply will, by a file with these mainting date of this communication, even if limely filed, may reduce any available to the communication and the mainting date of this communication, even if limely filed, may reduce any available to the communication and the mainting date of this communication, even if limely filed, may reduce any available to the communication and the mainting date of this communication, even if limely filed, may reduce any available to be communication and the mainting date of this communication, even if limely filed, may reduce any available to be communication. See 37 CFR 1.34(a). Status 1) □ Responsive to communication(s) filed on 28 December 2006. 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 1.720 is/are pending in the application. 4a) ○ Of the above claim(s) 42.720 is/are withdrawn from consideration. 5□ □ Claim(s) 1.720 is/are allowed. 5□ □ Claim(s) 1.720 is/are application for allowance received in the communication. 6 □ Claim(s) 1.720 is/are rejected. 7□ □ Claim(s) 1.720 is/are rejected. 7□ □ Claim(s) 1.720 is/are rejected. 10□ □ The drawing(s) filed on 1.720 is/are any available to th				Michael C.	Wilson	1632				
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Edentions of time may be available under the provision of 37 FR11-18(a). In a reveal, however, may a reply be simely filled atter 50 K (b) MONTHS from the malling date of this communication. Failine in gray with the set or centred dention for reply will. by stakes, cause the application to become ABMONDED 50 US.C, § 1330, Any resty received by the Diffect biter than there months after the malling date of this communication, even if timely filed, may reduce any seamed pattern term adjustment. See 37 CFR 1.79(b). Status 1) □ Responsive to communication(s) filed on 28 December 2006. 2a) □ This action is FINAL. 2b) □ This action is non-final. 3 □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4 □ Claim(s) 1-72 is/are pending in the application. 4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5 □ Claim(s) is/are allowed. 5 □ Claim(s) is/are rejected. 7 □ Claim(s) is/are objected to. 8 □ Claim(s) is/are objected to. 8 □ Claim(s) is/are objected to by the Examiner. 10 □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Application Papers 9 □ The specification is objected to by the Examiner. 10 □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11 □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ Corples of the certified copies of the priority documents hav			nication app	ears on the	cover sheet with the c	orrespondence ad	ldress			
1)⊠ Responsive to communication(s) filed on 28 December 2006. 2a]☐ This action is FINAL. 2b)⊠ This action is non-final. 3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)☒ Claim(s) 1-70 is/are pending in the application. 4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5)☐ Claim(s) 1-41 is/are rejected. 7)☐ Claim(s) 1-41 is/are rejected. 7)☐ Claim(s) 1-41 is/are rejected. 8)☒ Claim(s) 1-47 is/are rejected. 7)☐ Claim(s) 1-47 is/are rejected. 7)☐ Claim(s) 1-47 is/are rejected. Application Papers 9)☒ The specification is objected to by the Examiner. 10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)☐ All b)☐ Some * c)☐ None of: 1.☐ Certified copies of the priority documents have been received. Attachment(s) 1)☒ Copies of the certified copies of the priority documents have been received in Application No 3.☐ Copies of the certified copies of the priority documents have been received. Attachment(s) 1)☒ Notice of Partsperson's Patent Drawing Review (PTO-948) 3)☒ Information Discobeure Statement(s) (PTO-9580) 4)☐ Interview Summary (PTO-413) Faper No(s/Mail Date	A SHOWHIC - Externafter - If NO - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE IN Isions of time may be available under the provision: SIX (6) MONTHS from the mailing date of this com- period for reply is specified above, the maximum is the to reply within the set or extended period for reply eply received by the Office later than three months	MAILING DA s of 37 CFR 1.13 munication. tatutory period w y will, by statute,	ATE OF THI 36(a). In no even will apply and will , cause the applic	S COMMUNICATION t, however, may a reply be time expire SIX (6) MONTHS from the ation to become ABANDONED	l. ely filed the mailing date of this c O (35 U.S.C. § 133).				
2a) This action is FINAL. 2b) This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-70 is/are pending in the application. 4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are elpected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to by the Examiner. 10) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	Status									
2a) This action is FINAL. 2b)⊠ This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4 Claim(s) 1-70 is/are pending in the application. 4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5 Claim(s) is/are allowed. 6 Claim(s) 1-41 is/are rejected. 7 Claim(s) is/are objected to. 8 Claim(s) is/are objected to. 9 The specification is objected to by the Examiner. 10 The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.65(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11 The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12 Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * ○ None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1 Notice of References Cited (PTO-892) 2 Notice of Informal Patent Application 5 Notice of Informal Patent Application	1)⊠	Responsive to communication(s) file	ed on <i>28 De</i>	ecember 20	06.					
3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-70 is/are pending in the application. 4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 1) Notice of Informal Patent Application 5) Notice of Informal Patent Application	· —									
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)			•			secution as to the	e merits is			
4) Claim(s) 1-70 is/are pending in the application. 4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in his National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 1) Notice of Traftsperson's Patent Drawing Review (PTO-948) 3) Information Discosure Statement(s) (PTO/St/08)	,_	, _								
4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Partsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO/SB/08) 5) □ Notice of Internal Patent Application	Dispositi	on of Claims								
4a) Of the above claim(s) 42-70 is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Partsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO/SB/08) 5) □ Notice of Internal Patent Application	4)⊠									
5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are objected to. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some *c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of Patesperson's Patent Drawing Review (PTO-948) 3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date 5) ☐ Notice of Toristopserson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Internal Patent Application	•									
o Claim(s) 1-41 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1.□ Certified copies of the priority documents have been received. 2.□ Certified copies of the priority documents have been received in Application No 3.□ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of References Cited (PTO-892) □ Notice of Traftsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO/SB/08) 5) □ Notice of Informal Patent Application										
T) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-982) Paper Notos/Mail Date 9) Notice of Informal Patent Application 10 Notice of Informal Patent Application	·	· <u> </u>								
Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filled on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date 5) ☐ Notice of Informal Patent Application	-	•								
Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date Notice of Informal Patent Application										
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 1) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application			·							
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-992) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application		•	o Evamina	-						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application	· · · · · · · · · · · · · · · · · · ·	·			Tablected to by the F	Evaminer				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application	الارادا			•	•					
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application										
Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application	_									
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) 1 Notice of Informal Patent Application		•	o by the Ex		o ino dilaoned omoo	7.0.1011 01 101111 1	10 102.			
a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) 1. ☐ Certified copies of the priority documents have been received in Application No 4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date 5) ☐ Notice of Informal Patent Application		•			05110000440(-)	(1) (0)				
1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☒ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☒ Information Disclosure Statement(s) (PTO/SB/08) 1. ☐ Certified copies of the priority documents have been received in Application No 4. ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date 5. ☐ Notice of Informal Patent Application										
2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application	a)[
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application										
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) * See the attached detailed Office action for a list of the certified copies not received. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application										
* See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) * See the attached detailed Office action for a list of the certified copies not received. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application										
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application										
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application	5ee the attached detailed Office action for a list of the certified copies not received.									
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application										
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application	_									
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application	1) Notic	e of References Cited (PTO-892)		•						
Paper No(s)/Mail Date 3-8-04&6-26-04.	2) Motic 3) Inform	e of Uraftsperson's Patent Drawing Review (I nation Disclosure Statement(s) (PTO/SP/08)	PTO-948)	9						

Art Unit: 1632

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I, claims 1-41 in the reply filed on 1-22-07 is acknowledged.

Claims 42-70 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 1-22-07.

Claims 1-41 are under consideration.

Specification

The status of the applications throughout the specification will need to be updated upon being allowed, e.g. pg 43, line 24.

"Figure b" on pg 43, line 23, does not exist.

"The present invention provides a novel isolated nucleic acid molecule of approximately 195 kb of the chicken genome, and truncated variants thereof, comprising a region of about 135 kb that is 5' upstream, and an approximately 45 kb region that is 3' downstream, of the ovalbumin-encoding region of the gene locus" (pg 5, lines 5-9).

BAC 120 is nucleotides 1-157354 of SEQ ID NO: 1. BAC 77 is 157355-195102 of SEQ ID NO: 1. The nucleic acid sequence of the chicken genomic region SEQ ID NO: 1 is shown in Fig. 1 (pg 20, lines 13-27). Thus, it appears that SEQ ID NO: 1

Art Unit: 1632

encodes BAC vector as well as the entire genomic sequence of the ovalbumin gene and matrix attachment regions.

cDNA encoding an immunoglobulin or luciferase was inserted into ~195 kb ovalbumin BAC (pg 43, lines 12-21; pg 44, lines 7-14).

Claim Rejections - 35 USC § 112

Indefiniteness

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-41 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-3 and 27-28 are indefinite because the structural features that define chicken matrix attachment regions (MAR) vary and are not defined in the specification or known in the art. Pg 3, lines 20, states, "[a]Ithough MAR nucleic acid sequences are conserved, little cross-hybridization is seen, indicating significant overall sequence variation." In addition, a MAR from one species can interact with other species (lines 22-30). Therefore, it cannot be determined when a sequence is a MAR, specifically a chicken MAR. The specification states individual cis-transcriptional regulatory elements associated with the chicken ovalbumin gene have been isolated together (pg 4, lines 11-13). However, those of skill cannot determine whether fragments known in the art comprised an ovalbumin promoter and a MAR. For example, Woo (1978 cited below)

Art Unit: 1632

taught 1.8, 2.4 and 9.5 kb fragments of the ovalbumin gene; however, those of skill could not reasonably establish whether the fragments comprise MAR. Accordingly, those of skill could not reasonably know when a sequence comprised a MAR, specifically when an ovalbumin gene fragment comprising the ovalbumin promoter also comprised a chicken MAR as claimed.

Claim 10 is indefinite because it is unclear if the claim encompasses variants of the "at least 103 kb of SEQ ID NO: 1" or if the claim is limited to a nucleic acid that is truncation of SEQ ID NO: 1 that comprises at least 103 kb. The phrase "truncated variant" makes the claim unclear.

Claim 11 is indefinite because it is unclear if the claim encompasses variants of the fragments of SEQ ID NO: 1 or if the claim is limited to a nucleic acid that is a truncation of SEQ ID NO: 1 that consists of about position 41000, 56000, 58350, 76200 or 80000 to about 191500, 187000, 164500, 157600, 157100, 15200 or 145500 of SEQ ID NO: 1. The phrase "truncated variant" makes the claim unclear.

Likewise, claims 12-22 are indefinite because "truncated variant" makes the claims unclear.

The phrase "A vector inserted therein" in claim 23 and 34 does not make sense.

Claim 25 should refer to "the nucleic acid molecule according to claim 1."

Claim 27 is indefinite because the phrase "independently capable of hybridizing under high stringency conditions to the nucleic acid sequence according to SEQ ID NO:

1" is unclear. The metes and bounds of "independently capable" are unclear. It cannot

be determine whether the sequence of claim 1 or fragments of the sequence of claim 1 must hybridize to SEQ ID NO: 1.

Likewise, claim 28 is indefinite because "independently capable" is unclear. The claim does not clearly set forth the structure of the nucleic acid sequence or the functional fragment of the sequence of claim 1 that must hybridize to SEQ ID NO: 1.

The metes and bounds of a heterologous nucleic acid sequence in claim 29 are unclear. It cannot be determined when a nucleic acid is heterologous as claimed. For example, SEQ ID NO: 1 comprises numerous fragments that are heterologous to the ovalbumin promoter, but it cannot be determined if these fragments are included or excluded from the claim.

The metes and bounds of an endogenous nucleic acid sequence in claim 30 are similarly unclear. It cannot be determined when a nucleic acid is endogenous as claimed, i.e. to a chicken, to the ovalbumin gene, to SEQ ID NO: 1; therefore, the scope of the claim cannot be determined.

The metes and bounds of what applicants consider "tissue-specific expression" cannot be determined in claim 31. The phrase does not have an art-accepted meaning and is not defined in the specification.

The use of a "second heterologous sequence" in claim 33 does not make sense because the nucleic acid sequence does not have a first heterologous sequence and because "heterologous" is relative. It cannot be determined when a nucleic acid is heterologous as claimed.

The metes and bounds of when a "sequence encodes a polypeptide having a codon complement optimized for protein expression" in claim 37 cannot be determined. It cannot be determined what is being optimized or what is optimal.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

The 195,102 bp of SEQ ID NO: 1 cannot be reasonably searched because of its large size. In fact, the smallest sequence claimed is a 65,000 bp fragment in claim 11

Art Unit: 1632

(from about position 80,000 to about 145,500), which also cannot be reasonably searched because of its large size. Accordingly, the art rejections are based on searches of fragments of SEQ ID NO: 1 and what was known in the art at the time of filing.

Claims 1-4, 23, 24, 26-31, 34-37 and 40 are rejected under 35 U.S.C. 102(b) as being anticipated by Woo (PNAS, Aug. 1978, Vol. 75, No. 8, pg 3688-3692).

Woo taught cloning a 2.4, 1.8 and 9.5 kb fragment of the chicken ovalbumin gene using bacterial artificial chromosome vectors (pg 3688, col. 2, Bacteria and phages; pg 3689, col. 2, "Cloning of 2.4 kb ovalbumin DNA fragment"; pg 3690, col. 2, first line of "Biological characterization of "insert sequences"). The 2.4 and 1.8 kb fragments are comprised of about 0.45 and 0.30 kb of structural ovalbumin gene sequences and 1.95 and 1.50 kb of intervening sequences (pg 3690, col. 2, second line of "Biological characterization of "insert sequences"). "Expression of the intervening sequences is induced by steroid hormones in a coordinate manner with the structural ovalbumin gene sequences" (pg 3691, col. 1, last sentence of first partial paragraph).

The structure of matrix attachment regions (MAR) varies, and the Patent office does not have the ability to determine whether the nucleic acid sequence described by Schreiber comprises MAR. Accordingly, without evidence to the contrary, the sequence disclosed by Schreiber comprises at least two avian matrix attachment regions (MAR) because it comprises the 5' and 3' non-coding regions of the ovalbumin gene. In addition, one of the artificial chromosomes (BAC) comprising the ovalbumin gene has a MAR and the ovalbumin promoter as in claims 23 and 24. The sequence is

"recombinant" as in claim 26 because it was processed in vitro. The MAR and promoter in the sequence of Schreiber would hybridize to portions of SEQ ID NO: 1 as in claims 27 and 28. Claim 29 is included because the metes and bounds of "heterologous nucleic acid sequence" cannot be determined. Claim 30 is included because the endogenous coding region of ovalbumin is linked to the ovalbumin promoter. Claim 31 is included because the ovalbumin promoter within the sequence of Schreiber has the same structure and, therefore, is "capable of tissue-specific transcription" as claimed. Claim 37 is included because the metes and bounds of "a codon complement optimized for protein expression in an avian" are unclear.

Claims 1-4, 23, 24, 26-31, 34-37 and 40 are rejected under 35 U.S.C. 102(b) as being anticipated by Woo (Biochem., 1981, Vol. 20, pg 6437-6446).

Woo taught the complete nucleotide sequence of the chicken ovalbumin gene is 7564 bp (first 4 lines of abstract). The sequence was compiled after sequencing of numerous plasmids comprising various segments (paragraph bridging pg 6437-6446; pg 6438, Structure and sequencing of the complete gene). The structure of matrix attachment regions (MAR) varies, and the Patent office does not have the ability to determine whether the nucleic acid sequence described by Woo comprises sequences that function as MAR. Accordingly, without evidence to the contrary, the sequence disclosed by Woo comprises at least two avian matrix attachment regions (MAR) because it comprises the 5' and 3' non-coding regions of the ovalbumin gene. In addition, one of the plasmids comprising a fragment of the ovalbumin gene (pg 6438, "Structure and sequencing...") has a MAR and the ovalbumin promoter as in claims 23

Art Unit: 1632

and 24. The sequence is "recombinant" as in claim 26 because it was processed in vitro. The MAR and promoter in the sequence of Woo would hybridize to portions of SEQ ID NO: 1 as in claims 27 and 28. Claim 29 is included because the metes and bounds of "heterologous nucleic acid sequence" cannot be determined. Claim 30 is included because the endogenous coding region of ovalbumin is linked to the ovalbumin promoter. Claim 31 is included because the ovalbumin promoter within the sequence of Woo has the same structure and, therefore, is "capable of tissue-specific transcription" as claimed. Claim 37 is included because the metes and bounds of "a codon complement optimized for protein expression in an avian" are unclear.

Claims 1-7, 23, 24, 26-31, 34-37 and 40 are rejected under 35 U.S.C. 102(b) as being anticipated by Schreiber (AC159826, submitted 2001).

Schreiber taught a BAC clone CH261-57J20, Accession Number: AC159826.

The sequence was 207137 bp in length. Without evidence to the contrary, the sequence disclosed by Schreiber comprises SEQ ID NO: 1. The structure of matrix attachment regions (MAR) varies, and the Patent office does not have the ability to determine whether the nucleic acid sequence described by Schreiber comprises MAR. Accordingly, without evidence to the contrary, the sequence disclosed by Schreiber comprises at least two avian matrix attachment regions (MAR) because it comprises the 5' and 3' non-coding regions of the ovalbumin gene. In addition, one of the artificial chromosomes (BAC) comprising the ovalbumin gene has a MAR and the ovalbumin promoter as in claims 23 and 24. The sequence is "recombinant" as in claim 26 because it was processed in vitro. The MAR and promoter in the sequence of

Schreiber would hybridize to portions of SEQ ID NO: 1 as in claims 27 and 28. Claim 29 is included because the metes and bounds of "heterologous nucleic acid sequence" cannot be determined. Claim 30 is included because the endogenous coding region of ovalbumin is linked to the ovalbumin promoter. Claim 31 is included because the ovalbumin promoter within the sequence of Schreiber has the same structure and, therefore, is "capable of tissue-specific transcription" as claimed. Claim 37 is included because the metes and bounds of "a codon complement optimized for protein expression in an avian" are unclear.

Conclusion

No claim is allowed.

Inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Wilson who can normally be reached at the office on Monday, Tuesday, Thursday and Friday from 9:30 am to 6:00 pm at 571-272-0738.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

Art Unit: 1632

If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Peter Paras, can be reached on 571-272-4517.

The official fax number for this Group is (571) 273-8300.

Michael C. Wilson

MICHAEL WILSON PRIMARY EXAMINER Page 11